

Federation of Earth Science Information Partners Partnership Application

Please complete all sections to the fullest extent possible and forward completed application to: Carol Meyer, carol.meyer@earthsciencefoundation.org. If you have any questions, please contact her at 877.870.3747.

I. CONTACT INFORMATION

A. Primary Contact/Principal Investigator

Name: James W. Wilson
Address: Geographic Science Program, Dept of Integrated Science & Technology, MSC 4302,
James Madison University, Harrisonburg, VA 22807
Phone: 540-568-2757
Fax: 540-568-8741
Email: wilsonjw@jmu.edu

B. Designated Assembly Representative (could be same as above)

Name: James W. Wilson
Address: Geographic Science Program, Dept of Integrated Science & Technology, MSC 4302,
James Madison University, Harrisonburg, VA 22807
Phone: 540-568-2757
Fax: 540-568-8741
Email: wilsonjw@jmu.edu

C. Other Contacts

Name:
Address:
Phone:
Fax:
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Address:
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Name:
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II. ABOUT YOUR ORGANIZATION

A. ORGANIZATION/DIVISION/PROJECT NAME:

CyberForSPACE: Cyberinfrastructure For Sustainable Programs And Community Empowerment

B. OVERVIEW OF YOUR PRIMARY ACTIVITIES (250 words or less)

CyberForSPACE is a new umbrella effort that is intended to focus multiple endeavors on developing and utilizing sustainable technical solutions and data streams to empower communities (scientists, decision makers, and citizens) to address sustainability issues in their communities. One effort under development is the Vertically Integrating Cyberinfrastructure for Sustainability (VertICeS) Project, which strives to integrate local, regional, state, and federal Internet-based GIS applications for regional use. Ongoing conversations with a regional GIS user community and governmental decision makers in the Shenandoah Valley are providing the foundation of this work, and the next user group meeting will focus on data and interoperability issues with presentations by federal and state representatives, as well as the private sector.

C. Please list and briefly describe the primary product(s) or service(s) that your organization provides (will provide) to the community.

- Portal and regional projects integrating data and services from multiple distributed systems
- Local to regional geospatial data user community organization

D. Please give a main website address for the proposed Partnership:

Web Address: Under development

III. HOW YOUR ORGANIZATION WILL BENEFIT FROM/CONTRIBUTE TO THE EARTH SCIENCE INFORMATION PARTNERS (ESIP) FEDERATION

- A. Describe current or anticipated users of your products and services and how you think the Federation can help you better serve this population. (200 words or less)

I have been involved with organizing the GIS user and developer community in the Shenandoah Valley of Virginia since 1992 and I have been working actively with scientists and decision makers in the region for the last 5 years. Many segments of this community could benefit from better access to earth science data and derived products. Participating in the Federation will allow me to stay current with existing Federation efforts and to assist with the development of future initiatives that can benefit local to regional users.

- B. Describe any Earth science technologies that you have developed and are willing to bring to the Federation's efforts to provide best-practices. (200 words or less)

Our efforts to date have been centered on the adaptation and customization of exiting technologies to meet local to regional needs.

- C. Describe how your proposed membership would contribute to the efforts and the mission of one or more standing committees, working groups and/or clusters. See Page 3 for descriptions of the different activities of the various standing committees, working groups, and clusters. (200 words or less)

I can contribute to the Community Engagement standing committee by providing a bridge between the Federation and a geographically focused user community that is seeking earth science data and to provide feedback to the committee on best practices and pitfalls in engaging a new user community. I am also on the Virginia Geographic Information Network (the state GIS coordinating body) Advisory Board, so I can also provide a state perspective to the Federation and provide Federation to the state GIS user community.

I can contribute to the Education standing committee by providing feedback to the committee on best practices and pitfalls in engaging the university community in better utilizing Earth science data, information, tools, and curricula available within the ESIP Federation.

I can contribute to the Information Technology and Interoperability standing committee by drawing on my more than 20 years experience with developing and supporting information technology systems. I am an active participant in: 1) FGDC activities dealing with metadata and clearinghouses, 2) the Spatial Ontology Community of Practice (SOCoP), and 3) the newly formed Cyberinfrastructure Specialty Group of the Association of American Geographers.

- D. Describe your own use of Earth science information and data and how you would see this use enhanced by your partnership in the Federation. (200 words or less)

New avenues of my research focus on linking human activities to biophysical systems (carbon, hydrology, etc) and will be greatly aided through my participation in the Federation. I anticipate that participating in Federation activities will allow me to stay up to date with the availability of new data and products, as well as being able to integrate and take advantage of new systems and web-based services (and models) being developed by Federation partners.

IV. YOUR CHOICE OF MEMBERSHIP TYPE. PLEASE PICK ONE.

ESIP-I (primarily a data archive center)



ESIP-II (primarily a research center)



ESIP-III (primarily applications and education)



ESIP-IV (primarily a sponsoring member)



V. Any other comments about your proposed membership and its relation to the Federation that you wish to provide.

Thank you for your application for partnership in the ESIP Federation.